

EXHIBIT 18

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REG

TXu 1-336-997



TXU001336997H

EFFECTIVE DATE OF REGISTRATION

July 19, 2006
Month Day Year

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3 3

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS XR release 3 3 Cisco Internetwork Operating System XR version 3 3 Cisco Internetwork Operating System XR release 3 3 IOX version 3 3 IOX release 3 3 IOS NG version 3 3 IOS NG release 3 3 HFROS version 3 3 HFROS release 3 3 ENA version 3 3 ENA release 3 3 Cisco Q version 3 3 Cisco Q release 3 3

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems Inc.

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire?"

☒ Yes
☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of ►
Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☒ No
Pseudonymous? ☐ Yes ☒ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

New and revised computer code and documentation

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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☐ No

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Domiciled in ►

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NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

2006

Year
This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.

Month ► Day ► Year ►

Nation ►

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2 give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By written agreement

APPLICATION RECEIVED

JUL 19 2006

ONE DEPOSIT RECEIVED

JUL 19 2006

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE
OFFICE USE ONLY

MORE ON BACK ►

Complete all applicable spaces (numbers 5-9) on the reverse side of this page
See detailed instructions Sign the form at line 8

DO NOT WRITE HERE

Page 1 of 4 pages

NOTE

Under the law the author of a work made for hire is generally the employer not the employee (see instructions). For any part of this work that was made for hire check Yes in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank

EXAMINED BY IVB

FORM TX

CHECKED BY _____

☐ CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work or for an earlier version of this work already been made in the Copyright Office?

☒ Yes ☐ No If your answer is Yes why is another registration being sought? (Check appropriate box) ▼a ☐ This is the first published edition of a work previously registered in unpublished formb ☐ This is the first application submitted by this author as copyright claimantc ☒ This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶

TXu 1 270 592

Year of Registration ▶

2005

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Prior works by claimant and preexisting third party computer code

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account.

Name ▼

Account Number ▼

Cisco Technology Inc

DA92785

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

Jason Schroth

Cisco Technology Inc

170 West Tasman Drive

San Jose CA 95134

Area code and daytime telephone number ▶ (408) 853 7972

Fax number ▶ (408) 853 7972

Email ▶ jschroth@cisco.com

CERTIFICATION I, the undersigned, hereby certify that I am

Check only one ▶

☐ author☐ other copyright claimant☐ owner of exclusive right(s)☒ authorized agent of Cisco Technology, Inc

Name of author or other copyright claimant or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Mallun Yen Managing Director Worldwide Intellectual Property

Date ▶ 17 Jul 2006

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
address

Name ▼

Jason Schroth/Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

Complete all necessary spaces
Sign your application in space 81 Application form
2 Nonrefundable filing fee in check or money
order payable to Register of Copyrights
3 Deposit materialLibrary of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000Fees are subject to
change. For current
fees, check the
Copyright Office
website at
www.copyright.gov
or call the Copyright
Office, or call
(202) 707-3000

17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2,500.

CONTINUATION SHEET FOR APPLICATION FORMS

Form TX / CON
UNITED STATES COPYRIGHT OFFICE

REGI

TXu 1-336-997



TXu001336997u

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

July 19, 2006
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUL 19 2006

Page 3 of 4 pages

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application.
- Space B is a continuation of Space 2 on the basic application.
- Space B is not applicable to Short Forms.
- Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE FOR COPYRIGHT OFFICE USE ONLY

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form)

Cisco IOS XR version 3.3

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S)** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA)

Cisco Technology Inc 170 West Tasman Drive San Jose CA 95134

A
Identification
of
Application

NAME OF AUTHOR ▼

(See Space C)

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

B

Continuation
of Space 2

Was this contribution to the work a work made for hire?

☐ Yes☐ No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? ☐ Yes ☐ NoPseudonymous? ☐ Yes ☐ No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

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Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which) ☐ Space 1 ☐ Space 4 ☐ Space 6 ☒ Space 2b**C**

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution	Continuation of other Spaces
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Calian Technologies	Yes	Canada	Yes	No	Documentation	
Data Connection Ltd	Yes	United Kingdom	Yes	No	Computer Code	
Ensoft Ltd	Yes	United Kingdom	Yes	No	Computer Code	
Fujitsu Japan	Yes	Japan	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
MetaData	Yes	Canada	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
Pure Solutions	Yes	United States	Yes	No	Computer Code	
QNX Software	Yes	United States	Yes	No	Computer Code	
SQLink	Yes	Israel	Yes	No	Computer Code	

Certificate will be mailed in window envelope to this address

Name ▼
Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼
170 West Tasman Drive

City/State/ZIP ▼
San Jose CA 95134

Complete all necessary spaces
Sign your application

- 1 Application form
- 2 Nonrefundable fee in check or money order payable to Register of Copyrights
- 3 Deposit Material

Library of Congress Copyright Office
101 Independence Avenue S E
Washington D C 20559 6000

D

Fees are subject to change
For current fees about the Copyright Office website at www.copyright.gov write the Copyright Office or call (202) 707-9000